

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Marshall Medoff et al.

Art Unit : 1711

Serial No.: 09/772,593

Examiner: Nathan M. Nutter

Filed

: January 30, 2001

Title

: CELLULOSIC AND LIGNOCELLULOSIC MATERIALS AND

COMPOSITIONS AND COMPOSITES MADE THEREFROM

## **MAIL STOP RCE**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

Applicants also wish to make the Examiner aware of an Office Action received in a continuation of this case (USSN 10/615,748). A copy of the Action, mailed January 19, 2006 is enclosed.

This filing is being made with the filing of a Request for Continued Examination. No fee is required.

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 6, 2006	
Date of Deposit	
Sherry Solver	
Signature	
Sherry L. Hunt	
Typed or Printed Name of Person Signing Certificate	

Applicants: Marshall Medoff et al.

Serial No.: 09/772,593 Filed : January 30, 2001 Page : 2 of 2

Date: March 6, 2006

Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110

Telephone: (617) 542-5070 Facsimile: (617) 542-8906

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Attorney Docket No.: 08895-019001 / Fibrous

Materials - CON

Respectfully submitted,

Robert C. Nabinge

Reg. No. 33,431

Substitute Form (Modified)	PTO-1449	U.S. Department of Patent and Trade
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U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 08895-019001

Application No. 09/772,593

Applicant

Marshall Medoff et al.

Filing Date

Group Art Unit 1711

January 30, 2001

U.S. Patent Documents								
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
	AA	2,519,442	08/22/50	Delorme et al.				
	AB	2,558,378	06/26/51	Petry				
	AC	2,635,976	04/21/53	Meiler et al.				
	AD	2,658,828	11/10/53	Pattilloch				
	AE	2,665,261	01/05/54	Baker				
	AF	2,680,102	06/01/54	Becher				
	AG	2,757,150	07/31/56	Heritage				
	AH	2,789,903	04/23/57	Lukman et al.				
	AI	2,935,763	05/10/60	Newman et al.				
	AJ	3,308,218	03/7/67	Wiegand et al.				
	AK	3,309,444	03/14/67	Schueler				
	AL	3,493,527	02/03/70	Schueler				
	AM	3,516,953	06/23/70	Wood				
<del></del>	AN	3,645,939	02/29/72	Gaylord				
	AO	3,671,615	06/20/72	Price				
	AP	3,718,536	02/27/73	Downs et al.				
	AQ	3,836,412	09/17/74	Boustany et al.		=		
	AR	3,878,143	04/15/75	Baumann et al.				
	AS	3,888,810	06/10/75	Shinomura				
	AT	3,943,079	03/09/76	Hamed				
	AU	3,956,541	05/11/76	Pringle				
	AV	3,956,555	05/11/76	McKean				
	AW	4,005,162	01/25/77	Bucking				
	AX	4,016,232	04/05/77	Pringle				
	AY	4,033,913	07/05/77	Sunden				
	AZ	4,045,603	08/30/77	Smith				
	AAA	4,056,591	11/01/77	Goettler et al.				

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**Date Considered** 

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08895-019001	Application No. 09/772,593	
l .	closure Statement	Applicant Marshall Medoff et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date January 30, 2001	Group Art Unit 1711	

U.S. Patent Documents								
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
	BA	4,058,580	11/15/77	Flanders				
	ВВ	4,097,648	06/27/78	Pringle				
	BC	4,112,038	09/05/78	Garner				
	BD	4,115,497	09/19/78	Halmo Rolls et al.		,		
	BE	4,145,389	03/20/79	Smith				
	BF	4,168,251	09/18/79	Schinzel et al.				
	BG	4,187,352	02/05/80	Klobbie				
	ВН	4,203,876	05/20/80	Dereppe et al.				
	BI	4,204,010	05/20/80	Kramm et al.				
	BJ	4,228,116	10/14/80	Colombo et al.				
	BK	4,239,679	12/16/80	Rolls et al.				
,	BL	4,244,903	01/13/81	Schnause				
	BM	4,248,743	02/03/81	Goettler				
	BN	4,248,820	02/03/81	Haataja				
	ВО	4,250,222	02/10/81	Mavel et al.				
	BP	4,263,184	04/21/81	Leo et al.				
	BQ	4,265,846	05/05/81	Shen et al.		5.5.7		
	BR	4,273,688	06/16/81	Porzel et al.				
	BS	4,277,428	07/07/81	Luck et al.				
	вт	4,279,790	07/21/81	Nakajima				
	BU	4,281,039	07/28/81	Miura et al.				
	BV	4,290,988	09/22/81	Nopper et al.				
	BW	4,305,901	12/15/81	Prince et al.				
	BX	4,311,554	01/19/82	Негт				
	BY	4,311,621	01/19/82	Nishizawa et al.				
	BZ	4,318,351	03/09/82	Munk				
	BAA	4,323,625	04/06/82	Coran et al.				

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U.S. Patent Documents								
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
	CA	4,328,136	05/04/82	Blount				
	СВ	4,376,144	03/08/83	Goettler				
	CC	4,382,108	05/03/83	Carroll et al.				
	CD	4,393,020	07/12/83	Li et al.				
	CE	4,414,267	11/08/83	Coran et al.				
	CF	4,420,351	12/13/83	Lussi et al.		-		
	CG	4,426,470	01/17/84	Wessling et al.				
	CH	4,440,708	04/03/84	Haataja et al.				
	CI	4,454,091	06/12/84	Chion et al.				
	CJ	4,455,709	06/26/84	Zanini				
	CK	4,481,701	11/13/84	Hewitt				
	CL	4,491,553	01/01/85	Yamada et al.				
	CM	4,503,115	03/05/85	Hemels et al.				
	CN	4,505,869	03/19/85	Nishibori				
	СО	4,506,037	03/19/85	Suzuki et al.				
	СР	4,508,595	04/02/85	Gasland				
	CQ	4,551,294	11/05/85	Wottka et al.		-		
	CR	4,559,376	12/17/85	Kubat		<u>-</u>		
	CS	4,562,218	12/31/85	Fornadel et al				
	СТ	4,594,372	06/10/86	Natov et al.				
	CU	4,597,928	07/01/86	Terentiev et al				
	CV	4,610,900	09/09/86	Nishibori				
	CW	4,645,631	02/24/87	Hegenstaller et al.				
	CX	4,659,754	04/21/87	Edwards et al.				
	CY	4,663,225	05/05/87	Farley et al.				
	CZ	4,686,251	08/11/87	Ostermann et al.				
	CAA	4,687,793	08/11/87	Motegi et al.				

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Application No. 09/772,593

Information Disclosure Statement by Applicant

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Marshall Medoff et al.

Filing Date

Group Art Unit

January 30, 2001 | 1711

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	DA	4,716,062	12/29/87	Klein			
	DB	4,717,742	01/05/88	Beshay			
	DC	4,734,236	03/29/88	Davis			
	DD	4,737,532	04/12/88	Fujita et al.			
	DE	4,738,723	04/19/88	Frizzell et al.			_
	DF	4,746,688	05/24/88	Bistak et al.			
	DG	4,769,109	09/06/88	Tellvik et al.			
	DH	4,769,274	09/06/88	Tellvik et al.			
	DI	4,810,445	03/07/89	Lamb, Sr. et al.			
	DJ	4,818,604	04/04/89	Tock			
	DK	4,851,458	07/25/89	Hopperdietzel			
	DL	4,865,788	09/12/89	Davis			
	DM	4,874,095	10/17/89	Warych			
-	DN	4,894,192	01/16/90	Warych			
	DO	4,915,764	04/10/90	Miani			
	DP	4,927,579	05/22/90	Moore			
	DQ	4,935,182	06/19/90	Ehner et al.			
	DR	4,960,548	10/02/90	Ikeda et al.			
	DS	4,963,603	10/16/90	Felegi, Jr. et al.			
	DT	4,968,463	11/06/90	Levasseur			
	DU	4,973,440	11/27/90	Tamura et al.			
	DV	4,978,489	12/18/90	Radvan et al.			
	DW	4,988,478	01/29/91	Held			
	DX	5,002,713	03/26/91	Palardy et al.			
	DY	5,008,310	04/16/91	Beshay			
	DZ	5,009,586	04/23/91	Pallmann			
	DAA	5,028,266	07/02/91	Rettenmaier			

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Substitute Disclosure Form (PTO-1449)

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	closure Statement oplicant	Applicant Marshall Medoff et al.		
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	EA	5,057,167	10/15/91	Gersbeck			
	EB	5,075,057	12/24/91	Hoedl			
	EC	5,075,359	12/24/91	Castagna et al.			
	ED	5,082,605	01/21/92	Brooks et al.			
	EE	5,084,135	01/28/92	Brooks et al.			
	EF	5,087,400	02/11/92	Theuveny			
	EG	5,088,910	02/18/92	Goforth et al.			
	EH	5,093,058	03/03/92	Harmon et al.			
	EI	5,096,046	03/17/92	Goforth et al.			
	EJ	5,096,406	03/17/92	Brooks et al.			
	EK	5,120,776	06/09/92	Raj et al.			
	EL	5,137,668	08/11/92	Lamb, Sr.			
	EM	5,155,147	10/13/92	Dietz et al.			
	EN	5,183,837	02/02/93	Lepori et al.			
	EO	5,194,461	03/16/93	Berquist et al.			
	EP	5,213,021	05/25/93	Goforth et al.			
	EQ	5,254,617	10/19/93	Inoue et al.			
	ER	5,284,610	02/08/94	Tai .		-	
	ES	5,285,973	02/15/94	Goforth et al.			
	ET	5,298,102	03/29/94	Pohl			
	EU	5,351,895	10/04/94	Brooks et al.			
	EV	5,366,790	11/22/94	Liebel			
	EW	5,406,768	04/18/95	Giuseppe et al.			
	EX	5,437,766	08/01/95	Van Phan et al.			
	EY	5,439,542	08/08/95	Liebel			
	EZ	5,439,749	08/08/95	Klasell, et al.			
	EAA	5,441,801	08/15/95	Deaner et al.			

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Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 08895-019001

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Application No. 09/772,593

Information Disclosure Statement by Applicant

Marshall Medoff et al.

January 30, 2001

(Use several sheets if necessary) Filing Date

Group Art Unit 1711

(37 CFR §1.98(b))

**U.S. Patent Documents** Publication Filing Date Document Examiner Desig. Class If Appropriate Initial ID Number Date Patentee Subclass FA 01/02/96 Nagaich 5,480,602 01/23/96 Deaner et al. FB 5,486,553 03/12/96 Giuseppe et al. FC 5,497,594 05/21/96 Deaner et al. FD 5,518,677 07/23/96 Deaner et al. FE 5,539,027 07/20/96 Brooks et al. FF 5,540,244 08/06/96 Liebel FG 5,543,205 FH 5,558,933 09/24/96 Anthony 5,574,094 11/12/96 Malucelli et al. FI 12/10/96 Ferretti FJ 5,582,682 FK 5,585,155 12/17/96 Heikkila et al. FL5,643,359 07/01/97 Soroushian et al. FM 5,643,635 07/01/97 Ahn et al. 12/09/97 Deaner et al. FN 5,695,874 Gustafsson et al. FO 5,746,958 05/05/98 Brooks et al. FP 5,759,680 06/02/98 5,767,177 06/16/98 Omente et al. FQ FR 5,773,138 06/30/98 Seethamraju et al. FS 5,819,491 10/13/98 Davis FT 5,827,607 10/27/98 Deaner et al. 12/22/98 Muller et al. FU 5,851,469 FV 03/02/99 LeClair et al. 5,876,641 **FW** 5,882,564 03/16/99 Puppin 5,932,334 FX 08/03/99 Deaner et al. FY 5,948,505 09/07/99 Puppin Seethamraju et al. FZ5,948,524 09/07/99 FAA 5,981,067 11/09/99 Seethamraju et al.

Examiner	Signature
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Substitute Disclosure Form (PTO-1449)

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	U.S. Patent Documents						
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
· ·	GA	5,985,429	11/16/99	Plummer et al.			
	GB	6,004,668	12/21/99	Deaner et al.			
	GC	6,007,656	12/28/99	Heikkila et al.			
	GD	6,015,611	01/18/00	Deaner et al.			
	GE	6,015,612	01/18/00	Deaner et al.			
	GF	6,054,207	04/25/00	Finley			
	GG	6,106,944	08/22/00	Heikkila et al.			
	GH	6,122,877	09/26/00	Hendrickson et al.			
	GI	6,210,792	04/03/01	Seethamraju et al.			
	GJ	6,346,160	02/12/02	Puppin			
	GK	6,357,197	03/19/02	Serino et al.			

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Translation	
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	GL	2104903	0/16/83	Great Britain				
	GM	0 161 766	11/21/85	EP				
	GN	2171953	9/10/86	Great Britain			•	
	GO	AU-B- 47811/90	01/09/89	AU				
	GP	0 409 525 A2	07/16/90	EP				
	GQ	WO 92/07022	10/22/91	WIPO				
	GR	WO 96/13551	05/09/96	WIPO				
	GS	WO 97/18173	05/22/97	WIPO				

(	Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner Desig. Initial ID Document				
GT Kokta et al., "Use of Wood Fibers in Thermoplastic Composites", Polymer vol. 4, No. 4, pp. 229-232.				
		Yam et al., "Composites From Compounding Wood Fibers With Recycled High Density Polyethylene", Polymer Engineering and Science, Mid-Jun. 1990, vol. 30, No. 11, pp. 693-699.		

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(	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner Initial	_ ,				
	НА	Zadorecki et al., "Future Prospects for Wood Cellulose as Reinforcement in Organic Polymer Composites", Polymer Composites, Apr. 1989, vol. 10, No. 2, pp. 69-77.			
	НВ	Woodhams et al., "Wood Fibers as Reinforcing Fillers for Polyolefins", Polymer Engineering and Science, Oct. 1984, vol. 24, No. 15, pp. 1166-1171.			
	НС	Maldas et al., "Composites of Polyvinyl Chloride-Wood Fibers: IV. Effect of the Nature of Fibers", Journal of Vinyl Technology, Jun. 1989, vol. 11, No. 2, pp. 90-98.			
	HD	Raj et al., "Use of Wood Fibers as Filler in Common Thermoplastic Studies on Mechanical Properties", Science and Engineering of Composite Materials, vol. 1, No. 3, 1989, pp. 85-98.			
	HE	Kokta et al., "Use of Grafted Wood Fibers in Thermoplastic Composites V. Polystyrene", pp. 85-96.			
	HF	Klason et al., "The Efficiency of Cellulosic Fillers in Common Thermoplastics. Part I. Filling Without Processing Aids or Coupling Agents", International Journal of Polymeric Materials, Mar. 1984, pp. 159-187.			
	HG	Dalvag et al., "The Efficiency of Cellulosic Fillers in Common Thermoplastics. Part II. Filling with Process Aids and Coupling Agents", International Journal of Polymeric Materials, 1985, vol. 11, pp. 9-38.			
	НН	Rogalski et al., "Poly(Vinyl-Chloride) Wood Fiber Composites", Antec '87, pp. 1436-1441.			
	НІ	Raj et al., "Use of Wood Fibers in Thermoplastics. VII. The Effect of Coupling Agents in Polyethylene-Wood Fiber Composites", Journal of Applied Polymer Science, vol. 37, (1989), pp. 1089-1103.			
	НЈ	Kokta et al., "Composites of Polyvinyl Chloride-Wood Fibers. I. Effect of Isocyanate as a Bonding Agent", Polym. Plast. Technol. Eng. 29(1&2), 1990, pp. 87-118.			
	НК	Kokta et al., "Composites of Polyvinyl Chloride-Wood Fibers. III. Effect of Silane as Coupling Agent", Journal of Vinyl Technology, Sep. 1990, vol. 12, No. 3, pp. 146-153.			
	HL	Kokta et al., "Composites of Poly(Vinyl Chloride) and Wood Fibers. Part II: Effect of Chemical Treatment", Polymer Composites, Apr. 1990, vol. 11, No. 2, pp. 84-89.			

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